

# Kentucky

## Science and Engineering Profile

	STATE	U.S.	Rank		STATE	U.S.	Rank
Doctoral scientists, 1995	3,855	453,928	33	Total R&D performance, 1995 (millions)	\$594	\$177,210	36
Doctoral engineers, 1995	432	86,738	37	Industry R&D, 1995 (millions)	\$452	\$130,332	36
S&E doctorates awarded, 1996	197	27,230	33	Academic R&D, 1996 (millions)	\$148	\$22,481	35
of which, in life sciences	35%	25%		of which, in life sciences	74%	56%	
in psychology	21%	13%		in engineering	15%	16%	
in engineering	15%	23%		in physical sciences	3%	10%	
S&E postdoctorates, 1996	204	37,019	31	Higher education current-fund expenditures, 1995 (millions)	\$2,012	\$182,602	29
in doctorate-granting institutions							
S&E graduate students, 1996	3,640	430,631	33	Number of SBIR awards, 1990-1997	54	31,155	39
in doctorate-granting institutions				Patents issued to state residents, 1997	291	61,699	34
Population, 1997 (000s)	3,908	271,464	24	Gross state product, 1996 (billions)	\$95.4	\$7,677.4	26
Civilian labor force, 1997 (000s)	1,928	137,564	25	of which, agriculture	3%	2%	
Personal income per capita, 1997	\$20,657	\$25,598	42	manufacturing, mining, construction	35%	23%	
Federal spending				transportation, communication, utilities	8%	8%	
Total expenditures, 1997 (millions)	\$21,261	\$1,405,060	23	wholesale and retail trade	15%	16%	
R&D obligations, 1996 (millions)	\$79	\$66,087	44	finance, insurance, real estate	11%	19%	
				services	15%	20%	
				government	14%	12%	

Rankings and totals are based on data for the 50 states, D.C., and Puerto Rico.

Data on S&E postdoctorates and S&E graduate students include health fields.

## Federal Obligations for Research and Development by Agency and Performer: Fiscal Year 1996

[Thousands of Dollars]

	Total	Federal Intramural	All FFRDCs	Industrial firms	Universities & Colleges	Other nonprofits	State & local government	State rank
<b>Total, all agencies</b>	79,037	6,022	0	3,338	66,893	1,886	898	44
Department of Agriculture	8,290	2	0	164	8,124	0	0	40
Department of Commerce	984	1	0	0	0	983	0	38
Department of Defense	8,178	4,136	0	1,447	2,595	0	0	46
Department of Energy	5,799	0	0	311	5,488	0	0	34
Dept. of Health & Human Services	43,950	0	0	1,258	41,607	903	182	31
Department of Interior	1,976	1,883	0	0	93	0	0	46
Department of Transportation	829	0	0	113	0	0	716	39
Environmental Protection Agency	199	0	0	27	172	0	0	39
Nat'l Aeronautics & Space Admin.	935	0	0	18	917	0	0	48
National Science Foundation	7,897	0	0	0	7,897	0	0	41
<b>State rank</b>	44	51	na	49	31	43	39	

Federal R&D obligations are as reported by funding agencies.

FFRDC = federally funded research and development center

SBIR = small business innovation research

na = not applicable